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| U.S. DEPARTMENT OF COMMERCE, PATENT AND TRADEMARK OFFICE   |   | DATE: July 27, 2006                        |
| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE<br>(DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371  |   | <b>10/587391</b>                           |
| INTERNATIONAL APPLICATION NO.:<br>PCT/JP2004/018891  | INTERNATIONAL FILING DATE:<br>December 17, 2004 | PRIORITY DATE CLAIMED:<br>January 28, 2004 |
| TITLE OF INVENTION: SERVO CONTROL APPARATUS  |   |  |
| APPLICANT(S) FOR DO/EO/US: Seitaro OHTA, Hiroshi NAKAMURA and Atsushi IMADU  |   |  |
| Applicant hereby submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:  |   |  |
| <p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 USC 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)): <br/>a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). <br/>b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau. <br/>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)): <br/>a. <input type="checkbox"/> is attached hereto. <br/>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <br/>a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). <br/>b. <input type="checkbox"/> have been transmitted by the International Bureau. <br/>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. <br/>d. <input checked="" type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> |   |  |
| ITEMS 11. TO 20. BELOW CONCERN OTHER DOCUMENT(S) OR INFORMATION INCLUDED:  |   |  |
| <p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98 together with the international search report, PTO/SB/08 and 4 docs.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>ASSIGNEE NAME AND ADDRESS: <b>KABUSHIKI KAISHA YASKAWA DENKI, Kitakyushu-shi, Japan</b><br/>Please publish the assignee data with the application.</p> <p>13. <input type="checkbox"/> A preliminary amendment.</p> <p>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 C.F.R. 1.76</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. 1.821 - 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input type="checkbox"/> Other items or information:</p>   |   |  |

| U.S. 10/58739  | ATIONAL APPLICATION NO.<br>004/018891 | DATE: July 27, 2006  |              |        |              |              |      |       |          |   |            |             |         |   |             |  |  |            |           |                               |  |  |            |  |  |  |  |  |  |  |  |            |  |            |  |   |  |           |  |                      |  |            |  |  |  |  |  |                       |  |            |  |  |  |                                      |          |
|--|---------------------------------------|--|--------------|--------|--------------|--------------|------|-------|----------|---|------------|-------------|---------|---|-------------|--|--|------------|-----------|-------------------------------|--|--|------------|--|--|--|--|--|--|--|--|------------|--|------------|--|---|--|-----------|--|----------------------|--|------------|--|--|--|--|--|-----------------------|--|------------|--|--|--|--------------------------------------|----------|
| The following fees are submitted:  |                                       | CALCULATIONS   | PTO USE ONLY |        |              |              |      |       |          |   |            |             |         |   |             |  |  |            |           |                               |  |  |            |  |  |  |  |  |  |  |  |            |  |            |  |   |  |           |  |                      |  |            |  |  |  |  |  |                       |  |            |  |  |  |                                      |          |
| 21. <input checked="" type="checkbox"/> Basic National Stage Fee \$300   |                                       | \$ 300.00  |              |        |              |              |      |       |          |   |            |             |         |   |             |  |  |            |           |                               |  |  |            |  |  |  |  |  |  |  |  |            |  |            |  |   |  |           |  |                      |  |            |  |  |  |  |  |                       |  |            |  |  |  |                                      |          |
| 22. <input checked="" type="checkbox"/> National Stage Examination Fee   |                                       |  |              |        |              |              |      |       |          |   |            |             |         |   |             |  |  |            |           |                               |  |  |            |  |  |  |  |  |  |  |  |            |  |            |  |   |  |           |  |                      |  |            |  |  |  |  |  |                       |  |            |  |  |  |                                      |          |
| If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)   |                                       | \$100  | \$ 200.00    |        |              |              |      |       |          |   |            |             |         |   |             |  |  |            |           |                               |  |  |            |  |  |  |  |  |  |  |  |            |  |            |  |   |  |           |  |                      |  |            |  |  |  |  |  |                       |  |            |  |  |  |                                      |          |
| All other situations   |                                       | \$200  |              |        |              |              |      |       |          |   |            |             |         |   |             |  |  |            |           |                               |  |  |            |  |  |  |  |  |  |  |  |            |  |            |  |   |  |           |  |                      |  |            |  |  |  |  |  |                       |  |            |  |  |  |                                      |          |
| 23. <input checked="" type="checkbox"/> National Stage Search Fee  |                                       | \$ 400.00  |              |        |              |              |      |       |          |   |            |             |         |   |             |  |  |            |           |                               |  |  |            |  |  |  |  |  |  |  |  |            |  |            |  |   |  |           |  |                      |  |            |  |  |  |  |  |                       |  |            |  |  |  |                                      |          |
| Search fee (37 CFR 1.445(a)(2) has been paid on the international application to the USPTO as an International Searching Authority   |                                       | \$100  |              |        |              |              |      |       |          |   |            |             |         |   |             |  |  |            |           |                               |  |  |            |  |  |  |  |  |  |  |  |            |  |            |  |   |  |           |  |                      |  |            |  |  |  |  |  |                       |  |            |  |  |  |                                      |          |
| International Search Report prepared and provided to the Office  |                                       | \$400  |              |        |              |              |      |       |          |   |            |             |         |   |             |  |  |            |           |                               |  |  |            |  |  |  |  |  |  |  |  |            |  |            |  |   |  |           |  |                      |  |            |  |  |  |  |  |                       |  |            |  |  |  |                                      |          |
| All other situations   |                                       | \$500  |              |        |              |              |      |       |          |   |            |             |         |   |             |  |  |            |           |                               |  |  |            |  |  |  |  |  |  |  |  |            |  |            |  |   |  |           |  |                      |  |            |  |  |  |  |  |                       |  |            |  |  |  |                                      |          |
| ENTER APPROPRIATE BASIC FEE AMOUNT =   |                                       | \$ 900.00  |              |        |              |              |      |       |          |   |            |             |         |   |             |  |  |            |           |                               |  |  |            |  |  |  |  |  |  |  |  |            |  |            |  |   |  |           |  |                      |  |            |  |  |  |  |  |                       |  |            |  |  |  |                                      |          |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).   |                                       | \$ 130.00  |              |        |              |              |      |       |          |   |            |             |         |   |             |  |  |            |           |                               |  |  |            |  |  |  |  |  |  |  |  |            |  |            |  |   |  |           |  |                      |  |            |  |  |  |  |  |                       |  |            |  |  |  |                                      |          |
| <table border="1"> <thead> <tr> <th>CLAIMS</th> <th>NUMBER FILED</th> <th>NUMBER EXTRA</th> <th>RATE</th> </tr> </thead> <tbody> <tr> <td>TOTAL</td> <td>16 -20 =</td> <td>0</td> <td>X \$ 50.00</td> </tr> <tr> <td>INDEPENDENT</td> <td>1 - 3 =</td> <td>0</td> <td>X \$ 200.00</td> </tr> <tr> <td colspan="2">Multiple dependent claims(s) (if applicable)</td> <td>+ \$360.00</td> <td>\$ 360.00</td> </tr> <tr> <td colspan="2">TOTAL OF ABOVE CALCULATIONS =</td> <td></td> <td>\$1,390.00</td> </tr> <tr> <td colspan="4">National Stage Application Size Fee-for each additional 50 sheets that exceeds 100 sheets \$ 250.00.</td> </tr> <tr> <td colspan="4">Reduction by 1/2 for filing by small entity, if applicable. (Note 37 CFR 1.9, 1.27, 1.28).</td> </tr> <tr> <td colspan="2">SUBTOTAL =</td> <td>\$1,390.00</td> <td></td> </tr> <tr> <td colspan="2">Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). +</td> <td>\$ 130.00</td> <td></td> </tr> <tr> <td colspan="2">TOTAL NATIONAL FEE =</td> <td>\$1,520.00</td> <td></td> </tr> <tr> <td colspan="2">Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +</td> <td></td> <td></td> </tr> <tr> <td colspan="2">TOTAL FEES ENCLOSED =</td> <td>\$1,520.00</td> <td></td> </tr> <tr> <td colspan="2"></td> <td>Amount to be:<br/>refunded<br/>charged</td> <td>\$<br/>\$</td> </tr> </tbody> </table> |                                       |  |              | CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | TOTAL | 16 -20 = | 0 | X \$ 50.00 | INDEPENDENT | 1 - 3 = | 0 | X \$ 200.00 | Multiple dependent claims(s) (if applicable) |  | + \$360.00 | \$ 360.00 | TOTAL OF ABOVE CALCULATIONS = |  |  | \$1,390.00 | National Stage Application Size Fee-for each additional 50 sheets that exceeds 100 sheets \$ 250.00. |  |  |  | Reduction by 1/2 for filing by small entity, if applicable. (Note 37 CFR 1.9, 1.27, 1.28). |  |  |  | SUBTOTAL = |  | \$1,390.00 |  | Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). + |  | \$ 130.00 |  | TOTAL NATIONAL FEE = |  | \$1,520.00 |  | Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + |  |  |  | TOTAL FEES ENCLOSED = |  | \$1,520.00 |  |  |  | Amount to be:<br>refunded<br>charged | \$<br>\$ |
| CLAIMS   | NUMBER FILED                          | NUMBER EXTRA   | RATE         |        |              |              |      |       |          |   |            |             |         |   |             |  |  |            |           |                               |  |  |            |  |  |  |  |  |  |  |  |            |  |            |  |   |  |           |  |                      |  |            |  |  |  |  |  |                       |  |            |  |  |  |                                      |          |
| TOTAL  | 16 -20 =                              | 0  | X \$ 50.00   |        |              |              |      |       |          |   |            |             |         |   |             |  |  |            |           |                               |  |  |            |  |  |  |  |  |  |  |  |            |  |            |  |   |  |           |  |                      |  |            |  |  |  |  |  |                       |  |            |  |  |  |                                      |          |
| INDEPENDENT  | 1 - 3 =                               | 0  | X \$ 200.00  |        |              |              |      |       |          |   |            |             |         |   |             |  |  |            |           |                               |  |  |            |  |  |  |  |  |  |  |  |            |  |            |  |   |  |           |  |                      |  |            |  |  |  |  |  |                       |  |            |  |  |  |                                      |          |
| Multiple dependent claims(s) (if applicable)   |                                       | + \$360.00   | \$ 360.00    |        |              |              |      |       |          |   |            |             |         |   |             |  |  |            |           |                               |  |  |            |  |  |  |  |  |  |  |  |            |  |            |  |   |  |           |  |                      |  |            |  |  |  |  |  |                       |  |            |  |  |  |                                      |          |
| TOTAL OF ABOVE CALCULATIONS =  |                                       |  | \$1,390.00   |        |              |              |      |       |          |   |            |             |         |   |             |  |  |            |           |                               |  |  |            |  |  |  |  |  |  |  |  |            |  |            |  |   |  |           |  |                      |  |            |  |  |  |  |  |                       |  |            |  |  |  |                                      |          |
| National Stage Application Size Fee-for each additional 50 sheets that exceeds 100 sheets \$ 250.00.   |                                       |  |              |        |              |              |      |       |          |   |            |             |         |   |             |  |  |            |           |                               |  |  |            |  |  |  |  |  |  |  |  |            |  |            |  |   |  |           |  |                      |  |            |  |  |  |  |  |                       |  |            |  |  |  |                                      |          |
| Reduction by 1/2 for filing by small entity, if applicable. (Note 37 CFR 1.9, 1.27, 1.28).   |                                       |  |              |        |              |              |      |       |          |   |            |             |         |   |             |  |  |            |           |                               |  |  |            |  |  |  |  |  |  |  |  |            |  |            |  |   |  |           |  |                      |  |            |  |  |  |  |  |                       |  |            |  |  |  |                                      |          |
| SUBTOTAL =   |                                       | \$1,390.00   |              |        |              |              |      |       |          |   |            |             |         |   |             |  |  |            |           |                               |  |  |            |  |  |  |  |  |  |  |  |            |  |            |  |   |  |           |  |                      |  |            |  |  |  |  |  |                       |  |            |  |  |  |                                      |          |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). +  |                                       | \$ 130.00  |              |        |              |              |      |       |          |   |            |             |         |   |             |  |  |            |           |                               |  |  |            |  |  |  |  |  |  |  |  |            |  |            |  |   |  |           |  |                      |  |            |  |  |  |  |  |                       |  |            |  |  |  |                                      |          |
| TOTAL NATIONAL FEE =   |                                       | \$1,520.00   |              |        |              |              |      |       |          |   |            |             |         |   |             |  |  |            |           |                               |  |  |            |  |  |  |  |  |  |  |  |            |  |            |  |   |  |           |  |                      |  |            |  |  |  |  |  |                       |  |            |  |  |  |                                      |          |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +   |                                       |  |              |        |              |              |      |       |          |   |            |             |         |   |             |  |  |            |           |                               |  |  |            |  |  |  |  |  |  |  |  |            |  |            |  |   |  |           |  |                      |  |            |  |  |  |  |  |                       |  |            |  |  |  |                                      |          |
| TOTAL FEES ENCLOSED =  |                                       | \$1,520.00   |              |        |              |              |      |       |          |   |            |             |         |   |             |  |  |            |           |                               |  |  |            |  |  |  |  |  |  |  |  |            |  |            |  |   |  |           |  |                      |  |            |  |  |  |  |  |                       |  |            |  |  |  |                                      |          |
|  |                                       | Amount to be:<br>refunded<br>charged   | \$<br>\$     |        |              |              |      |       |          |   |            |             |         |   |             |  |  |            |           |                               |  |  |            |  |  |  |  |  |  |  |  |            |  |            |  |   |  |           |  |                      |  |            |  |  |  |  |  |                       |  |            |  |  |  |                                      |          |
| <p>a. <input checked="" type="checkbox"/> A check in the amount of \$1,520.00 to cover the above fees is enclosed. (\$300.00 for basic national stage fee; \$400.00 for national stage search fee; \$200.00 for national stage examination fee; \$360.00 for multiple dependent claims; \$130.00 for late filing of the declaration and \$130.00 for non-English specification).</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. 50-2866 in the amount of \$____ to cover the above fees.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-2866.</p>   |                                       |  |              |        |              |              |      |       |          |   |            |             |         |   |             |  |  |            |           |                               |  |  |            |  |  |  |  |  |  |  |  |            |  |            |  |   |  |           |  |                      |  |            |  |  |  |  |  |                       |  |            |  |  |  |                                      |          |
| NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed to request that the application be restored to pending status.   |                                       |  |              |        |              |              |      |       |          |   |            |             |         |   |             |  |  |            |           |                               |  |  |            |  |  |  |  |  |  |  |  |            |  |            |  |   |  |           |  |                      |  |            |  |  |  |  |  |                       |  |            |  |  |  |                                      |          |
| Send All Correspondence To:  |                                       | WESTERMAN, HATTORI, DANIELS & ADRIAN, LLP<br>1250 Connecticut Avenue NW, Suite 700<br>Washington, DC 20036<br>CUSTOMER NO. 38834 |              |        |              |              |      |       |          |   |            |             |         |   |             |  |  |            |           |                               |  |  |            |  |  |  |  |  |  |  |  |            |  |            |  |   |  |           |  |                      |  |            |  |  |  |  |  |                       |  |            |  |  |  |                                      |          |
| Typed or Printed Name: Sadao Kinashi   |                                       | Reg. No.: 48,075   |              |        |              |              |      |       |          |   |            |             |         |   |             |  |  |            |           |                               |  |  |            |  |  |  |  |  |  |  |  |            |  |            |  |   |  |           |  |                      |  |            |  |  |  |  |  |                       |  |            |  |  |  |                                      |          |
| Signature  | Sadao Kinashi                         |  |              |        |              |              |      |       |          |   |            |             |         |   |             |  |  |            |           |                               |  |  |            |  |  |  |  |  |  |  |  |            |  |            |  |   |  |           |  |                      |  |            |  |  |  |  |  |                       |  |            |  |  |  |                                      |          |
|  |                                       | Date: July 27, 2006  |              |        |              |              |      |       |          |   |            |             |         |   |             |  |  |            |           |                               |  |  |            |  |  |  |  |  |  |  |  |            |  |            |  |   |  |           |  |                      |  |            |  |  |  |  |  |                       |  |            |  |  |  |                                      |          |